



Water-Data Report NV-2005

10312275 CARSON RIVER AT TARZYN ROAD NEAR FALON, NV

CARSON RIVER BASIN, CARSON DESERT

LOCATION.--Lat 39°33'32", long 118°43'30" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.33, T.19 N., R.29 E., Churchill County, Hydrologic Unit 16050203, on right bank, 7 mi north-northeast of Fallon.

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Oct 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,920 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Oct 1, 1996, at same site at datum 3.0 ft lower.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow affected by irrigation development above station (Newlands Project) and by storage in Lahontan Reservoir (station 10312100).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 942 ft³/s, May 27, 1996, gage height, 6.11 ft, (datum then in use); maximum gage height, 8.73 ft, Jan 22, 1997; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 130 ft³/s, Jul 12, gage height, 5.63 ft; minimum daily discharge, 1.4 ft³/s, Mar 5.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	9.1	2.6	1.9	e1.9	1.8	4.0	9.0	10	8.3	27	18
2	12	19	2.5	1.8	1.9	1.6	3.9	9.1	13	7.4	56	17
3	9.8	8.6	2.7	1.9	1.8	1.7	3.9	7.3	15	38	69	18
4	15	8.2	2.7	1.9	1.8	1.5	3.8	16	10	76	96	40
5	32	7.8	2.6	1.8	1.8	1.4	3.9	17	19	116	56	29
6	15	8.6	2.6	1.8	1.8	1.5	3.6	24	24	67	82	17
7	6.1	9.6	2.6	1.8	1.9	1.5	3.7	22	11	58	86	9.0
8	7.8	9.2	2.7	1.9	1.9	1.5	3.8	21	12	40	58	6.7
9	15	11	2.8	1.9	1.9	1.5	3.7	22	13	46	35	6.2
10	16	19	2.7	1.9	1.9	1.5	3.6	21	13	31	49	5.8
11	5.5	27	2.6	1.9	1.9	1.5	3.6	22	7.1	42	46	11
12	4.7	20	2.5	1.8	1.8	1.6	4.9	25	5.8	98	51	7.8
13	9.5	20	2.4	1.8	1.8	1.7	7.7	33	7.2	86	46	5.6
14	16	7.2	2.4	1.8	1.8	2.4	8.5	37	9.4	38	45	8.4
15	6.2	4.0	2.3	1.8	1.8	2.9	8.0	38	11	18	28	12
16	5.2	3.5	2.3	1.8	1.8	2.8	6.9	27	5.7	12	24	7.6
17	12	3.1	2.3	1.8	1.7	3.8	6.6	17	10	19	38	5.9
18	4.7	3.1	2.2	1.8	1.7	5.3	6.5	27	15	41	37	5.4
19	5.5	3.2	2.2	1.8	1.6	4.9	6.4	27	20	45	23	17
20	7.9	3.2	2.2	1.8	1.7	4.7	6.5	31	8.8	7.9	8.4	24
21	8.7	3.1	2.2	1.8	1.7	4.6	8.7	34	7.4	6.5	4.8	21
22	6.0	3.1	2.2	1.7	1.7	4.9	7.4	25	10	5.1	9.8	31
23	5.1	3.0	2.0	1.7	1.6	5.0	6.7	15	18	4.6	8.7	26
24	4.4	3.0	1.9	1.7	1.6	4.8	6.7	11	9.9	4.4	14	19
25	4.1	2.9	1.9	1.7	1.6	4.6	7.1	13	6.8	7.1	5.9	45
26	4.1	2.9	1.8	1.8	1.6	4.5	32	14	4.5	19	15	38
27	6.4	3.1	1.8	2.1	1.5	4.4	12	17	4.4	20	22	36
28	11	2.9	1.9	e2.0	1.6	4.3	7.4	25	7.8	37	18	21
29	9.7	2.8	1.9	e2.0	---	4.1	6.4	23	8.7	43	17	7.5
30	7.9	2.6	1.9	e1.9	---	4.1	7.7	23	16	26	12	6.7
31	8.6	---	2.0	e1.9	---	4.0	---	12	---	25	21	---
Total	293.9	233.8	71.4	57.0	49.1	96.4	205.6	664.4	333.5	1,092.3	1,108.6	522.6
Mean	9.48	7.79	2.30	1.84	1.75	3.11	6.85	21.4	11.1	35.2	35.8	17.4
Max	32	27	2.8	2.1	1.9	5.3	32	38	24	116	96	45
Min	4.1	2.6	1.8	1.7	1.5	1.4	3.6	7.3	4.4	4.4	4.8	5.4
Ac-ft	583	464	142	113	97	191	408	1,320	661	2,170	2,200	1,040

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	8.96	6.28	4.41	37.0	46.2	66.1	28.0	95.7	101	33.9	15.8	11.5
Max	19.1	13.7	12.3	660	727	582	428	441	624	319	35.8	19.3
(WY)	(1987)	(1987)	(1994)	(1997)	(1997)	(1986)	(1986)	(1996)	(1995)	(1995)	(2005)	(1999)
Min	0.02	0.03	0.63	1.05	0.92	1.20	2.36	4.35	4.72	5.89	0.93	0.04
(WY)	(1993)	(1993)	(1993)	(1992)	(1992)	(2001)	(1991)	(1992)	(1992)	(1991)	(1992)	(1992)

10312275 CARSON RIVER AT TARZYN ROAD NEAR FALON, NV—Continued**SUMMARY STATISTICS**

	Calendar Year 2004		Water Year 2005		Water Years 1985 - 2005	
Annual total	3,224.4		4,728.6			
Annual mean	8.81		13.0		38.5	
Highest annual mean					170	1997
Lowest annual mean					2.38	1992
Highest daily mean	66	Aug 14	116	Jul 5	896	May 20, 1996
Lowest daily mean	1.8	Dec 26	1.4	Mar 5	0.00	Sep 29, 1992
Annual seven-day minimum	1.9	Dec 24	1.5	Mar 4	0.01	Sep 26, 1992
Maximum peak flow			130	Jul 12	942	May 27, 1996
Maximum peak stage			5.63	Jul 12	8.73	Jan 22, 1997
Annual runoff (ac-ft)	6,400		9,380		27,890	
10 percent exceeds	16		34		28	
50 percent exceeds	7.2		6.7		6.2	
90 percent exceeds	2.6		1.8		1.8	